

APRIL 23, 1986



Griffin Dewatering Corporation
3450 Calumet Avenue
Hammond, IN 46320
219-931-1662
312-374-5255 Chicago

DEPT. OF ENVIRONMENTAL MANAGEMENT
1330 W. MICHIGAN ST.
INDIANAPOLIS, IND. 46206
ATTN: MR. JOHN KASSIS

RE: CHEMICAL SPILL
3450 CALUMET AVE.
HAMMOND, INDIANA

(317) 243-5162

DEAR JOHN,

AS REQUESTED, I AM SUBMITTING THIS REPORT TO EXPLAIN THE CAUSE OF AND REMOVAL OF A SMALL CHEMICAL SPILL AT OUR HAMMOND, INDIANA FACILITY.

ON THE EVENING OF MONDAY, APRIL 14, 1986, ONE OF OUR MECHANICS WAS ADDING WATER TO A TANK THAT CONTAINS A PRODUCT CALLED CARB-GON, AS MANUFACTURED BY PENNWALT CORP. THIS IS A AUTOMOTIVE PARTS CLEANER THAT WE MIX ON A TWO (2) PARTS WATER TO ONE (1) PART PRODUCT BASIS. THE WATER WAS BEING ADDED THROUGH A GARDEN HOSE. WHEN HE TURNED THE WATER FAUCET OFF HE DIDN'T TURN IT OFF COMPLETELY. HE THEN WENT HOME FOR THE EVENING. THE FOLLOWING MORNING HE DISCOVERED THAT THE TANK HAD OVER FLOWED ONTO THE SHOP FLOOR, AND PARTIALLY COLLECTED AROUND A FLOOR DRAIN. HE IMMEDIATELY PLUGGED THE FLOOR DRAIN, AND THEN PULLED THE HOSE FROM THE TANK.

WHEN I ARRIVED AT WORK, I WAS INFORMED AS TO THE PRECEEDING EVENTS. I HAD MY PEOPLE "MOP-UP" THE REMAINING LIQUID AND PUT IT IN AN EMPTY 55 GALLON DRUM. WE THEN REMOVED THE FLOOR DRAIN PLUG, BUT THE DRAIN APPEARED EMPTY. WE IMMEDIATELY CHECKED THE OUTLET END OF THE DRAIN PIPE AND FOUND A SMALL AREA OF DISCOLORATION IN THE ROAD DITCH, IN FRONT OF OUR FACILITY.

AT THIS POINT, WE FIGURED THAT THE AMOUNT OF LIQUID THAT ESCAPED THROUGH THE DRAIN WAS PROBABLY IN THE RANGE OF TWO HUNDRED GALLONS (200 GAL. \pm). TO DETERMINE THIS, WE WENT BACK TO THE WATER HOSE (WHICH WAS STILL RUNNING) AND MEASURED THE VOLUME COMING THROUGH IT. THE VOLUME WAS ABOUT FIFTEEN GALLONS PER HOUR (15 GPH). THE ELAPSED PERIOD FROM 5:00 PM THE NIGHT BEFORE TO 8:00 AM THAT MORNING WAS FIFTEEN (15) HOURS. THIS MEANT THAT APPROXIMATELY TWO HUNDRED AND TWENTY-FIVE (225) GALLONS HAD OVERFLOWED. THE LIQUID THAT THEY "MOPPED-UP" FILLED ABOUT ONE-HALF ($\frac{1}{2}$) OF A 55-GALLON DRUM; THEREFORE, THE REMAINING LIQUID WAS IN THE TWO HUNDRED (200) GALLON RANGE.

RE: CHEMICAL SPILL
3450 CALUMET AVE.
HAMMOND, INDIANA



THE AREA OF RUSTY DISCOLORATION, IN THE ROAD DITCH, WAS ABOUT TWELVE FEET (12') ACROSS AND TWENTY FEET (20') LONG. THIS MEANT THAT THE TWO HUNDRED (200) GALLONS WAS THINLY FLOATING ON TOP OF THE DITCH WATER. WE FELT THAT THIS SMALL AMOUNT OF NON-FLAMMABLE LIQUID WOULD BE DILUTED SO QUICKLY THAT IT WOULD, FOR ALL INTENTS AND PURPOSES, DILUTE AND EVAPORATE WITH THE DITCH WATER.

WE WOULD LIKE TO NOTE THAT WE HAVE BEEN IN BUSINESS AT THIS LOCATION SINCE 1967, AND THAT WE FELT THIS SMALL DILUTION WAS OF MINOR CONSEQUENCE IN COMPARISON TO WHAT IS ALREADY IN THESE DITCHES ALONG CALUMET AVENUE, NEXT TO AMOCO OIL COMPANYS' WHITING REFINERY AND TANK FIELDS.

ON FRIDAY, APRIL 18, WE WERE CONTACTED BY THE LOCAL FIRE DEPARTMENT REGARDING THE DISCOLORATION IN THE DITCH. IN FACT, THE DISCOLORATION WAS A VERY LIGHT, RUSTY TINT THAT HAD COVERED THE TOP OF MOST OF THE WATER SURFACE IN FRONT OF OUR FACILITY. THE DITCH IS TWO HUNDRED AND NINETY FEET (290') BETWEEN CULVERTED DRIVEWAYS, AND TWELVE FEET (12') ACROSS AT THE TOP.

WE INFORMED THE FIRE DEPARTMENT THAT THE LIQUID HAD NO FLASH POINT AND THAT IT WAS A METAL CLEANER. THEY, OF COURSE, CONTACTED YOU AND TOLD US TO DO THE SAME.

UPON YOUR RECOMMENDATION WE SECURED A COUPLE OF LARGE TANKS AND SET-UP A PUMPING SYSTEM TO SKIM THE DILUTED LIQUID FROM THE DITCH WATER. ON MONDAY, APRIL 21, WE PROCEEDED TO PUMP THE LIQUID INTO THESE TANKS, WHICH WE LOCATED BEHIND OUR BUILDING IN OUR STORAGE YARD. AFTER FILLING TWO (2) OF THE TANKS, WE OBSERVED THE "NORMAL" COLORATION IN THE DITCH WATER, AND WE TERMINATED PUMPING. WE THEN MEASURED THE LIQUID IN THE TANKS, WHICH ADDED UP TO SEVEN THOUSAND ONE HUNDRED (7100) GALLONS.

OUR INTENTION IS TO REUSE THIS LIQUID AS WE NEED IT.

IF I CAN ANSWER ANY FURTHER QUESTIONS, PLEASE CALL ME AT (219/931-1662).

VERY TRULY YOURS,
GRIFFIN DEWATERING CORP.



JOE HOCKBERGER
BRANCH MANAGER

ENCLOSURE



We have
moved &
our new
address is:

DOLPHIN INCORPORATED

5609 MURVHILL ROAD
VALPARAISO, IN 46383

-3880

April 22, 1986

MATERIAL SAFETY DATA SHEET

MADE DATE

MADE BY

SUPPLIER'S
NAME OF

EMERGENCY TELEPHONE NO.

(219) 465-1808

SECTION I

GENERAL FORMATION

PREPARED BY SIGNATURE:

Thomas H. Camel

CHEMICAL NAME AND SYNONYMS

CARB-GON

TRADE NAME AND SYNONYMS

Metal Cleaner 1718

CHEMICAL FAMILY

Chlorinated Hydrocarbon

FORMULA

TRADE SECRET

PROPOSED USES:

NA - Not Applicable

NE - Not Established

SECTION II

HAZARDOUS INGREDIENTS

PRINCIPAL HAZARDOUS COMPONENT(S)
(CHEMICAL & COMMON NAME(S))

%
WT./WT.

TLV (units)*

CASE

Methylene Chloride

> 9

100 ppm

75-09-2

Cresylic Acid

> 9

5 ppm

1319-77-
3

Aromatic Hydrocarbon

> 5

50 ppm

64742-
9405

SECTION III

PHYSICAL DATA

BOILING
POINT

100-212°F

SPECIFIC
GRAVITY

1.16

SOLUBILITY
IN WATER

NE

VAPOR
PRESSURE

NE

PERCENT
VOLATILES

90

pH OF
SOLUTION

VAPOR
DENSITY
(Air=1)

> 1

EVAPORATION
RATE

Slower than ether

PHYSICAL
FORM/ODOR

SECTION IV

FIRE AND EXPLOSION DATA

FLASH POINT

NONE

°F

METHOD
USED

☐ Cleveland
☐ PM

☐ TAG

☐ Open Cup
☐ Closed Cup

AUTO IGNITION
TEMP

NA

EXTINGUISHING
MEDIA

Water Fog - Dry Chemical - Foam

LOWER EXPLOSION
LIMIT

NE

SPECIAL FIRE
FIGHTING PROCEDURES

Self contained breathing apparatus

UPPER EXPLOSION
LIMIT

NE

UNUSUAL FIRE &
EXPLOSION HAZARDS

NOTE DECOMPOSITION PRODUCTS

SECTION V

REACTIVITY DATA

☒ STABLE

CONDITIONS CONTRIBUTING TO INSTABILITY

☐ HAZARDOUS POLYMERIZATION

☐ UNSTABLE

☐ THERMAL DECOMPOSITION

☐ CONTAMINATION

☐ PHOTSENSITIVE DEGRADATION

INCOMPATIBILITIES - MATERIALS/CONDITIONS TO AVOID:

MATERIALS: ☒ ACIDS ☐ ALKALIS ☒ OXIDIZERS/REDUCERS ☐ WATER ☐ OTHER (SPECIFY)

CONDITIONS: ☒ HEAT POTENTIAL ☒ OPEN FLAME ☐ SPARKS ☐ IGNITION SOURCES ☐ OTHER (SPECIFY)

DECOMPOSITION PRODUCTS: Hydrogen chloride, carbon monoxide, trace phosgene

SECTION
VI
HEALTH
HAZARD
DATA

THRESHOLD LIMIT
VALUE

100 ppm (est)

PRIMARY ROUTES
OF EXPOSURE

☒ Skin Contact
☒ Eye Contact

☒ Skin Absorption
☒ Inhalation

☐ Ingestion

NATURE & SITE OF EFFECTS/FIRST AID PROCEDURES

SKIN ☒ ACUTE ☐ CHRONIC ☐ IRRITANT ☒ CORROSIVE ☐ SENSITIZER ☐ OTHER (SPECIFY)

☒ WASH AFFECTED AREA ☒ REMOVE CONTAMINATED CLOTHING ☐ SEEK IMMEDIATE MEDICAL ATTENTION

DESCRIBE MEDICAL TREATMENT Flush area with soap and water. May be absorbed through skin and mucous membranes. Seek medical attention if irritation persists.

EYES ☒ ACUTE ☐ CHRONIC ☐ IRRITANT ☒ CORROSIVE ☐ OTHER (SPECIFY)

☒ FLUSH WITH WATER FOR 15 MINUTES ☒ SEEK IMMEDIATE MEDICAL ATTENTION

DESCRIBE MEDICAL TREATMENT

RESPIRATORY ☐ ACUTE ☒ CHRONIC ☐ IRRITANT ☒ ASPHYXANT ☐ EDEMA ☐ ALLERGEN

☐ SENSITIZER ☒ REMOVE TO FRESH AIR ☐ SEEK IMMEDIATE MEDICAL ATTENTION

DESCRIBE MEDICAL ATTENTION May cause anesthesia and dizziness - headache, nausea, etc.

INGESTION

☒ ACUTE ☐ CHRONIC ☐ IRRITANT ☒ CORROSIVE ☐ TARGET ORGANS (SPECIFY) ☐ OTHER (SPECIFY)

☒ DO NOT INDUCE VOMITING ☐ INDUCE VOMITING ☐ ADMINISTER WATER/MILK ☒ SEEK IMMEDIATE MEDICAL ATTENTION

DESCRIBE MEDICAL TREATMENT

MEDICAL CONDITIONS GENERALLY
AGGRAVATED BY EXPOSURE

NONE

CHEMICAL LISTED AS CARCINOGEN
OR POTENTIAL CARCINOGEN

NONE

NATIONAL TOXICOLOGY
PROGRAM ☐ YES ☐ NO

I.A.R.C.
MONOGRAPHS ☐ YES ☐ NO

OSHA ☐ YES ☐ NO

OSHA PERMISSIBLE
EXPOSURE LIMIT

NE

ACGIH THRESHOLD
LIMIT VALUE

NE

OTHER EXPOSURE
LIMIT USED

NE

SECTION
VII
SPECIAL
PROTECTION
INFORMATION

IS VENTILATION REQUIRED: ☒ YES ☐ NO ☒ GENERAL ☒ LOCAL To maintain below TLV

EYE PROTECTION: ☒ YES ☐ NO ☐ GOGGLES ☐ FACE SHIELD ☒ OTHER Safety glasses

RESPIRATORY PROTECTION: ☒ YES ☐ NO ☒ GAS/VAPOR ☐ PARTICULATE Organic vapor

HAND PROTECTION (GLOVE): ☒ YES ☐ NO ☐ CLOTH ☐ LEATHER ☐ IMPERMEABLE ☐ PVC ☐ NATURAL RUBBER

☐ POLYETHYLENE ☒ NEOPRENE ☐ POLYVINYL ALCOHOL ☐ BUTYL RUBBER ☐ OTHER (SPECIFY)

OTHER PERSONAL PROTECTIVE EQUIPMENT: ☒ YES ☐ NO
(PLEASE SPECIFY)

Rubberized outer garment

SECTION
VIII
HANDLING
AND
STORAGE

☒ WASH THOROUGHLY AFTER HANDLING

☒ KEEP AWAY FROM HEAT, SPARKS & OPEN FLAME

☒ EMPTY CONTAINER MAY CONTAIN HAZARDOUS RESIDUES

☒ STORE IN WELL VENTILATED AREA

☒ DO NOT GET IN EYES, ON SKIN OR CLOTHING

☐ STORE IN TIGHTLY CLOSED CONTAINERS

☐ KEEP FROM CONTACT WITH CLOTHING & OTHER COMBUSTIBLES

Pressure from container slowly

☐ STORE IN DIKED AREA

☒ DO NOT BREATHE DUST, VAPOR, MIST, GAS

☐ DO NOT STORE NEAR COMBUSTIBLES

☐ STORAGE AREA SHOULD BE POSTED

☐ TRANSPORTATION PRECAUTIONS (SPECIFY)

☒ OTHER (SPECIFY) Release

SECTION
IX
SPILL
OR LEAK
RESPONSE

☐ FLUSH WITH WATER

☒ KEEP UPWIND; EVACUATE ENCLOSED SPACES

☒ ABSORB WITH SAND OR INERT MATERIAL

☐ PREVENT SPREAD OR SPILL

☐ NEUTRALIZE WITH _____

☐ SWEEP OR SCOOP UP AND REMOVE TO _____

☐ DISPOSE OF IMMEDIATELY ☐ OTHER (SPECIFY)

WASTE DISPOSAL METHOD: ☒ INCINERATION ☐ APPROVED LANDFILL ☐ OTHER